

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC720 U.S. PRO
10/035978
12/21/01



Applicants : Quinn, et al.) Group Art Unit 1655
App. No. : UNKNOWN)
Filed : HEREWITH)
For : PROBES, METHODS AND)
KITS FOR DETECTION AND)
TYPING OF)
HELICOBACTER PYLORI)
NUCLEIC ACIDS IN)
BIOLOGICAL SAMPLES)
Examiner : J. Goldberg)
)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing fourteen (14) references that are not enclosed. This Information Disclosure Statement is being filed within three months of the filing date of this application or upon filing if this is a CPA or RCE, and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12/21/01

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. INNOG2.001C1 | APPLICATION NO. UNKNOWN |
| | APPLICANT Quint, et al. | |
| | FILING DATE HEREWITH | GROUP 1655 |

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**EXAMINER
INITIAL**

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

J. C. Atherton et al., Genotypic Analysis of *vacA* and *cagA* in *Helicobacter pylori* Isolates from the U.S., Thailand, Peru and China, Vol. 37, Suppl. No. 1, July 7, 1995, Abstract 275, p. A69.

John C. Atherton et al., *Mosaicism in Vacuolating Cytotoxin Alleles of Helicobacter pylori*, *The Journal of Biological Chemistry*, Vol. 270, No. 30, July 28, 1995, pp. 17771-17777.

M. J. Blaser, Role of *vacA* and the *cagA* locus of *Helicobacter pylori* in human disease, *Blackwell Science Ltd. Aliment Pharmacol Ther.*, Vol. 10, Suppl. 1, 1996, pp. 73-77.

Arie Van Der Ende et al., *Heterogeneous Helicobacter pylori Isolates From Members of a Family With a History of Peptic Ulcer Disease*, *Gastroenterology*, Vol. 111, No. 3, September 1996, pp. 638-647.

Y. Ito et al., Clustering of CagA Positive, S1A-M1, But Not Equal to M1, VacA Alleles of *Helicobacter pylori* in Japan, Vol. 110, Suppl. No. 4, May 22, 1996, p. A931.

***EXAMINER:** INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. INNOG2.001C1 | APPLICATION NO. 10/123,456 UNKNOWN |
| | | APPLICANT Quint, et al. | |
| | | FILING DATE HEREWITH | GROUP 1655 |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|------------------|---|
| | Stephan Miehlke, M.D. et al., <i>Allelic Variation in the cagA Gene of Helicobacter pylori Obtained from Korea Compared to the United States</i> , <i>The American Journal of Gastroenterology</i> , Vol. 91, No. 7, July 1996, pp. 1322-1325. |
| | C. Birac et al., <i>Detection of vacA By PCR and Correlation with cagA in Helicobacter pylori Strains Isolated from Patients with Different Diseases</i> , Vol. 37, Suppl. No. 1, July 9, 1996, Abstract 267, p. A67. |
| | Murali K. R. Tummuru et al., <i>Cloning and Expression of a High-Molecular-Mass Major Antigen of Helicobacter pylori: Evidence of Linkage to Cytotoxin Production</i> , <i>Infection and Immunity</i> , Vol. 61, No. 5, May 1, 1993, pp. 1799-1809. |
| | Suhas H. Phadnis et al., <i>Pathological Significance and Molecular Characterization of the Vacuolating Toxin Gene of Helicobacter pylori</i> , <i>Infection and Immunity</i> , Vol. 62, No. 5, May 1, 1994, pp. 1557-1565. |
| | Z. Xiang et al., <i>Detection in an Enzyme Immunoassay of an Immune Response to a Recombinant Fragment of the 128 Kilodalton Protein (CagA) of Helicobacter pylori</i> , <i>Eur. J. Clin. Microbiol. Infect. Dis.</i> , Vol. 12, No. 10, October 1993, pp. 739-745. |
| | H.T.J. Tjhai et al., <i>Detection of Chlamydia pneumoniae using a general Chlamydia polymerase chain reaction with species differentiation after hybridisation</i> , <i>Journal of Microbiological Methods</i> , Vol. 18, No. 2, September 1993, pp. 137-50. |
| | J.C. Stephens et al., <i>H. pylori CagA Status, VacA Genotypes and Gastroduodenal Disease</i> , Vol. 39, Suppl. No. 2, October 16, 1996, Abstract 3B:88, p. A71. |

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| EXAMINER | DATE CONSIDERED |
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